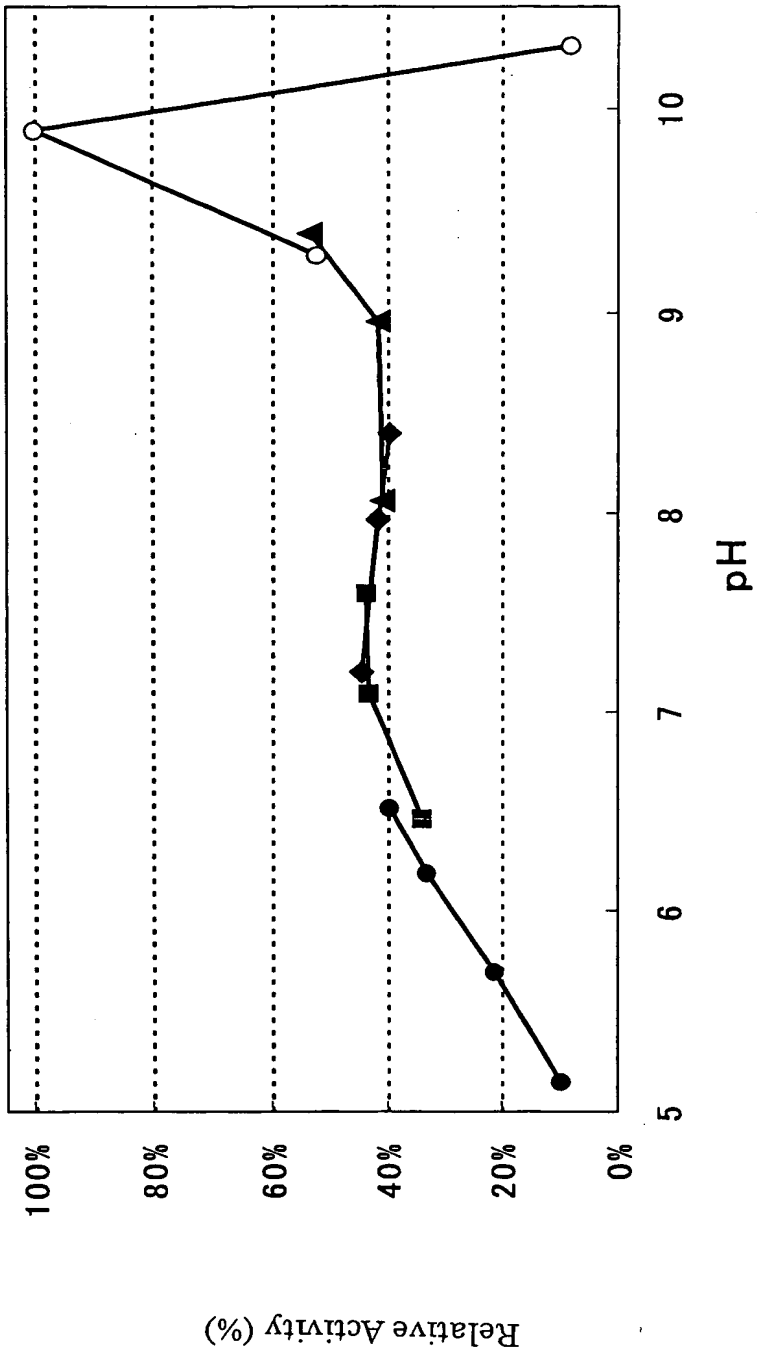


Fig.1

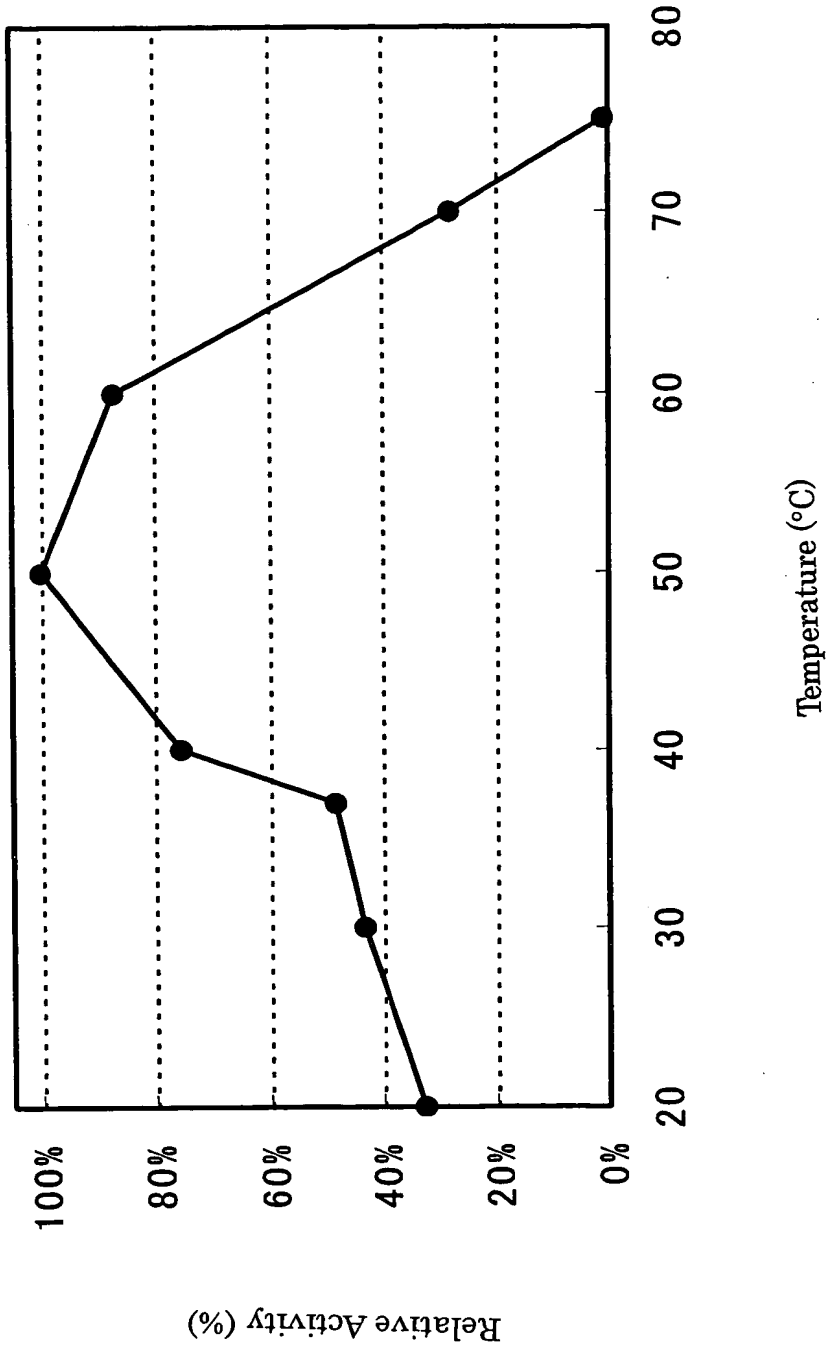

Relative Activity (%)
100%
80%
60%
40%
20%
0%
20
30
40
50
60
70
80
Temperature (°C)

Fig.2

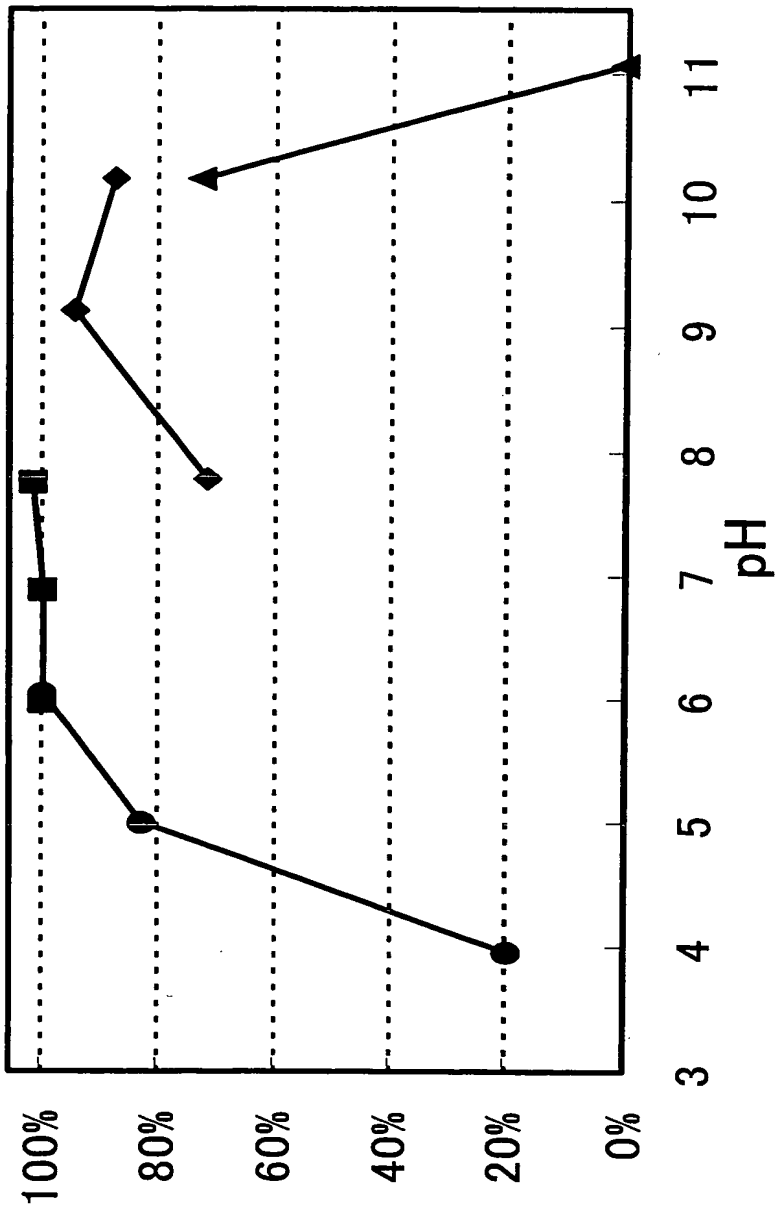


Fig.3

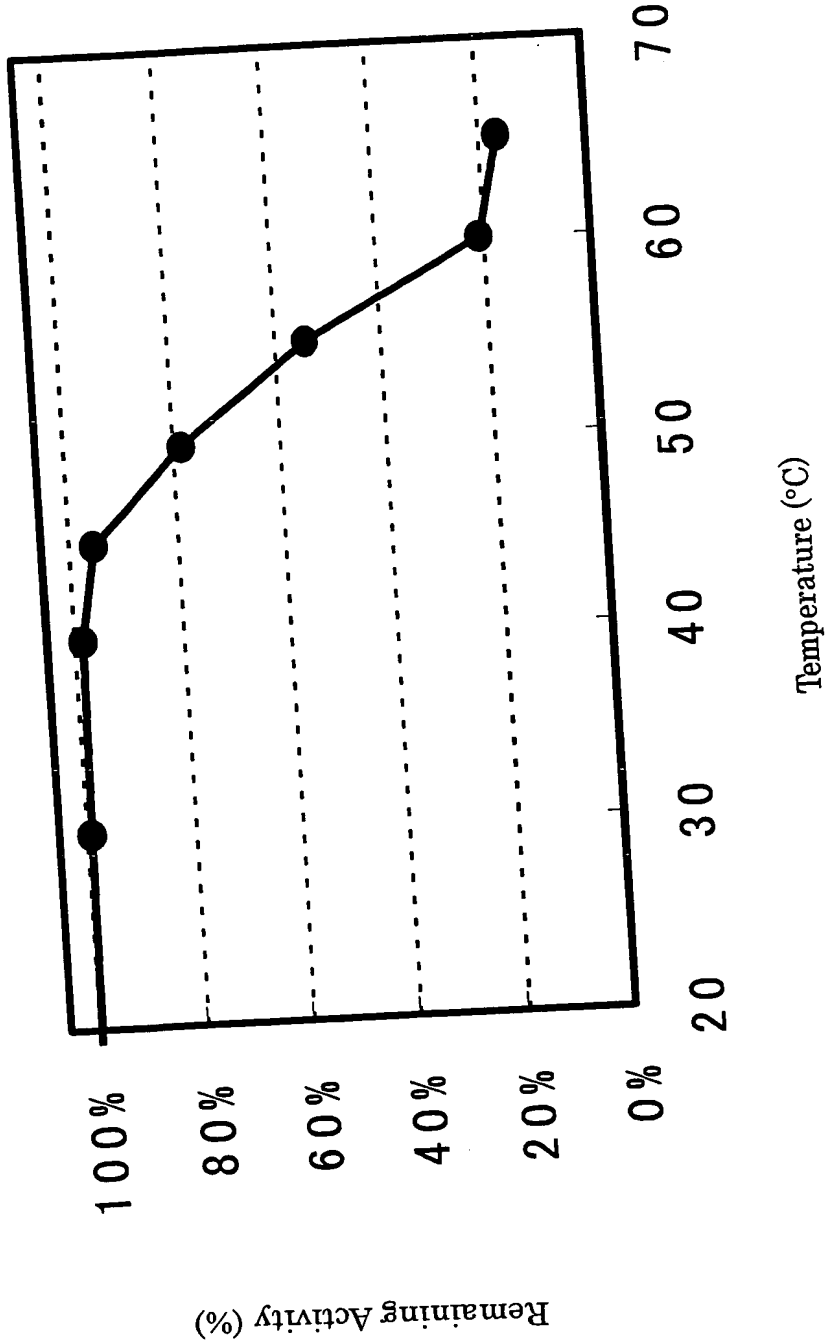
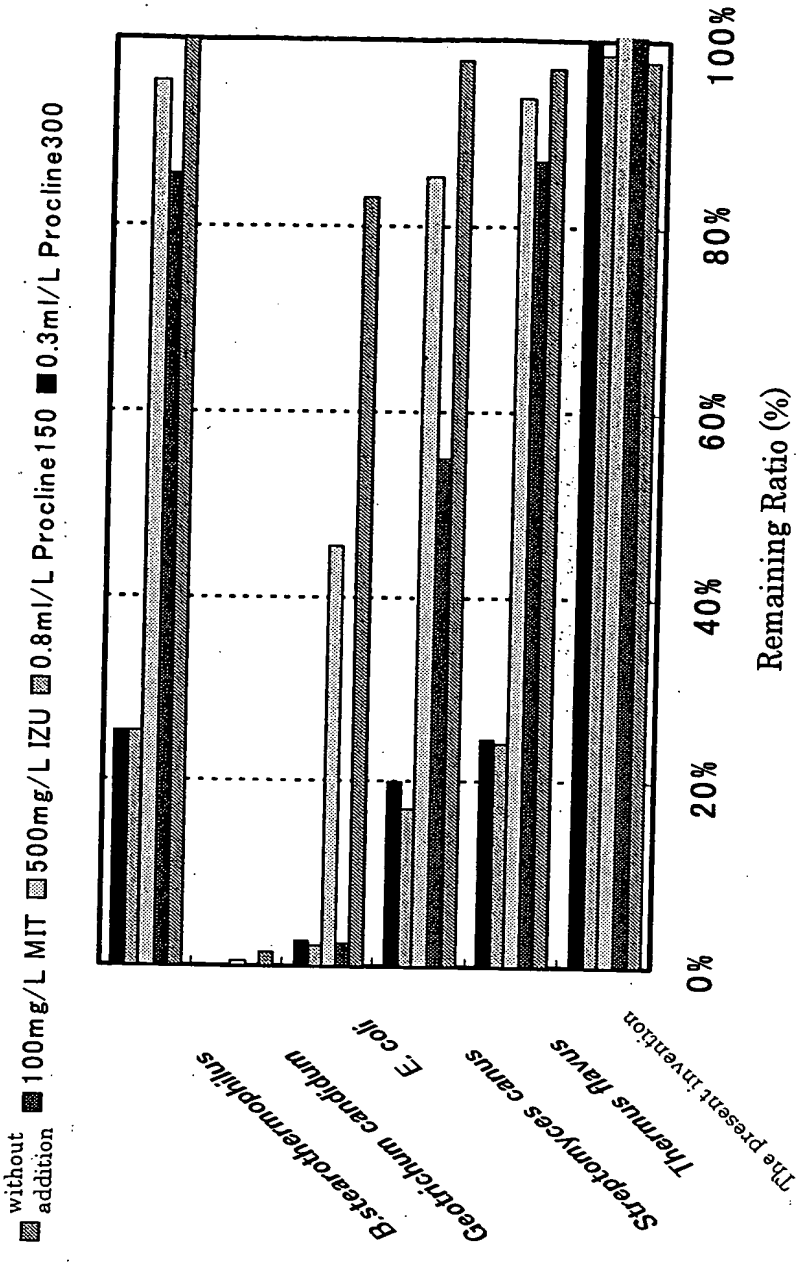

Remaining Activity (%)
100%
80%
60%
40%
20%
0%
20
30
40
50
60
70
Temperature (°C)

Fig.4

Fig.5


without addition
100mg/L MIT
500mg/L IZU
0.8ml/L Procline150
0.3ml/L Procline300
B.stearothermophilus
Geotrichum candidum
E. coli
Streptomyces canus
Thermus flavus
The present invention
0%
20%
40%
60%
80%
100%
Remaining Ratio (%)

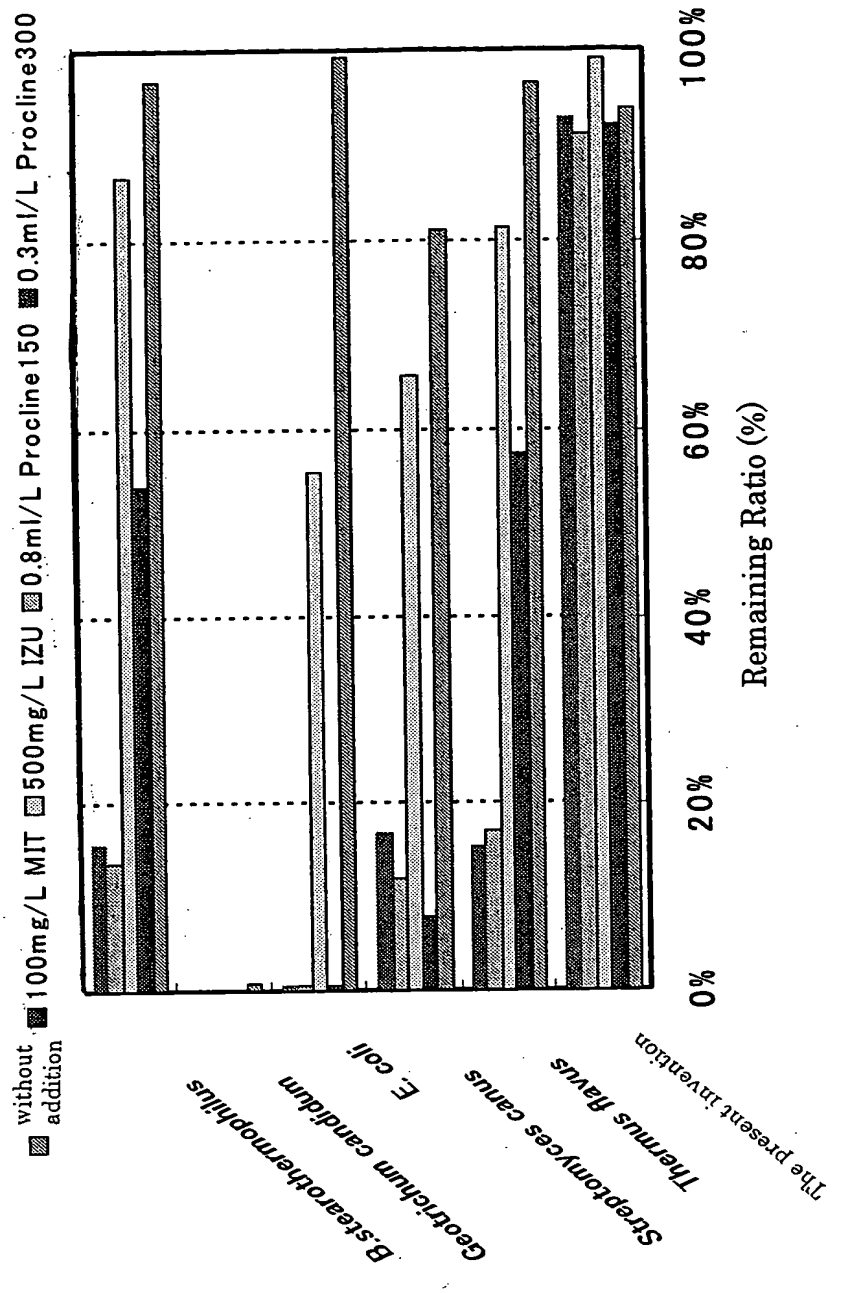

without addition
100mg/L MIT
500mg/L IZU
0.8ml/L Procline150
0.3ml/L Procline300
0%
20%
40%
60%
80%
100%
Remaining Ratio (%)
The present invention
Thermus flavus
Streptomyces canus
E. coli
Geotrichum candidum
B.stearothermophilus

Fig.6

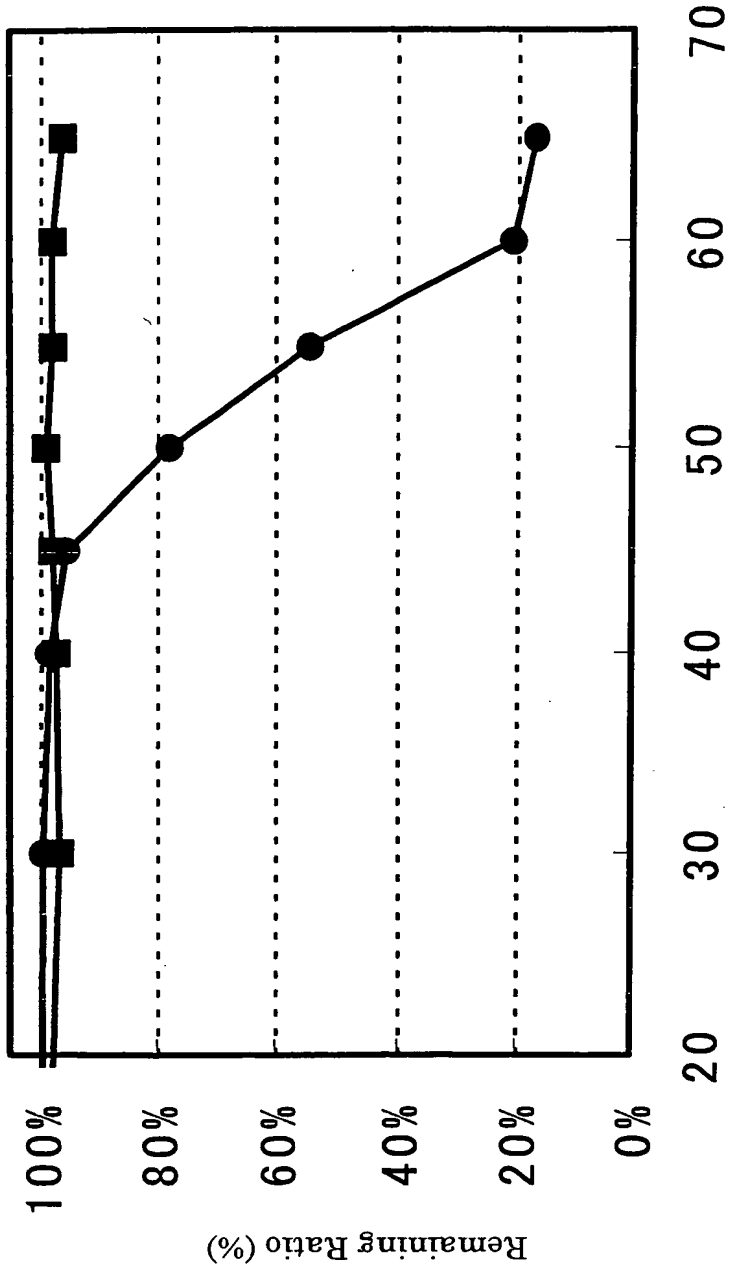

100%
80%
60%
40%
20%
0%
Remaining Ratio (%)
20
30
40
50
60
70
Temperature (°C)

Fig.7

Fig. 8

Steps	Total Activity (KU)	Specific Activity (U/mg Protein)	Yield (%)
Solution after Dinomill Disruption	18,000	0.31	100.0
Redissolved Solution of Ammonium Sulfate Precipitation	15,516	3.0	86.2
Sephadex G-25 (1)	15,264	5.2	84.8
1st DEAE Sepharose CL-6B	12,960	32.6	72.0
Phenyl Sepharose CL-6B	10,368	32.4	57.6
Sephadex G-25 (2)	10,242	32.2	56.9
2nd DEAE Sepharose CL-6B	8,190	40.9	45.5

Fig. 9

Steps	Total Activity (KU)	Specific Activity (U/mg Protein)	Yield (%)
Solution after French Pressed Disruption	6,800	—	100.0
Polyethylene Imine Solution	7,300	2.76	107.3
Redissolved Solution of Ammonium Sulfate Precipitation	7,100	8.51	104.4
Sephadex G-25 (1)	5,100	7.85	75.0
HiTrap Q	4,850	25.7	71.3
HiTrap Phenyl FF	5,300	41.2	77.9
Sephadex G-25 (2)	5,200	41.2	76.4